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| 10/035,159 | 01/04/2002 | Syoichiro Yoshiura | 1035-362 | 1757 |
| 23117 7590 08/15/2008 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203 | | | | |
| EXAMINER MAGUIRE, LINDSAY M | | | | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/035,159

Applicant(s)

YOSHIURA ET AL.

Examiner

LINDSAY M. MAGUIRE

Art Unit

3692

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 July 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19, 23-31, 33, 35, 37-40 and 43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19, 23-31, 33, 35, 37-40 and 43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

This Non-Final Office action is in response to the application filed on January 4, 2002, the amendments filed on April 17, 2007, the Request for Continued Examination filed on September 20, 2007, amendments filed on January, 14, 2008, and the Request for Continued Examination filed on July 15, 2008.

Abstract

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-19, 23-31, 33, 35, 37-40, and 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. PGPub. No. 2003/0004784 (Li et al. '784), in view of U.S. Pat. No. 6,078,906 (Huberman '906).

Re Claim 1: Li et al. '784 disclose an information communication apparatus, which is set to be capable of performing communication with outside via a network, comprising: an information generating section for selecting an article suitable for maintenance (Abstract; paragraphs [0011, 0030, & 0063]; i.e. maintenance of the inventory), so as to generate purchase information which indicates that purchase of the article is required (Abstract; paragraphs [0011, 0030, & 0063]), said information generating section presumes a time when life of the article required for maintenance will end and generates the purchase information (Abstract; paragraphs [0011, 0030, & 0063]), and a communication section for opening the purchase information to plural dealers in order to hold a reverse auction (paragraph [0062]), and for receiving sales information, which indicate sales conditions of said article, from respective dealers, during an auction period, so as to inform the sales information to a user, wherein, selection of the article to be purchased, generation of purchase information, and transmission of purchase information are automatically performed by said apparatus without instruction by the user (Abstract; paragraphs [0011, 0030, 0062, & 0063]).

Li et al. '784 disclose the apparatus substantially as claimed, with the exception of requiring that generating the purchase information at a time calculated by subtracting

from the presumed time a purchase time required between transmission of the purchase information by the communication section and reception of a delivery of the article, which purchase time includes an auction period, a period of business discussions between the user and the dealer, and a period required between delivery of the article by the dealer and reception of delivery of the article. However, Li et al. '784 does disclose that delivery time is taken into account as one of the parameters in when to order (paragraph [0049]; i.e. to maintain a continuous supply). Huberman '906 discloses generating a service description (A), an auction period (E-Z), a period of business discussions (Q-U), and a delivery time (column 18, line 65 - column 19, line 1). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus of Li et al. '784, in view of the teachings of Huberman '906, for the basic reason of insuring that a continuous supply is maintained and that all factors are taken into account.

It is noted that although Li et al. '784 shows an automatic replenishment of inventory method and system, Li et al. '784 is considered to be able to function as an "an information communication apparatus" as called for in the instant claims. While Li et al. '784 does not explicitly show the apparatus in these configurations, a reference needs only be capable of being in these configurations in order to "read on" the claim language. In this case, the Li et al. '784 discloses that the device could be attached to an automobile to monitor the life of certain parts and to order said parts and schedule

maintenance for when the new part is available and the current part has reached the end of its life (paragraph [0063]).

Re Claim 2: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including that said communication section is set to open the purchase information to the plural dealers, and to transmit the purchase information to an auction server which collects the sales information from the respective dealers, and said communication section is set to receive the sales information of the respective dealers, from the auction server (Li et al. '784: 103, 104, 105; paragraph [0062]).

Re Claim 3: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including said auction server is set to determine a dealer as a successful bidder in accordance with the sales condition transmitted from the respective dealers, and said auction server is set to inform the communication section of the successful bidder that has been determined (Huberman '906, Figures 3a, 3b).

Re Claim 4: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including that said information generating section is set to generate purchase information, which indicates that purchase of an expendable is required (Li et al. '784: Abstract; paragraphs [0011, 0030, & 0063]).

Re Claim 5: Li et al. '784 in view of Huberman '906 disclose the apparatus in *supra*, including that said information generating section is set to generate the purchase information, which indicates that the purchase of the expendable is required when an amount of the expendable left becomes less than a predetermined value (Li et al. '784: Abstract, paragraphs [0011, 0030, & 0063]).

Re Claim 6: Li et al. '784 in view of Huberman '906 disclose the apparatus in *supra*, including that said information generating section is set to generate purchase information, which indicates that purchase of a replacement part is required (Li et al. '784: Abstract, paragraph [0063]).

Re Claim 7: Li et al. '784 in view of Huberman '906 disclose the apparatus in *supra*, including that said information generating section is set to generate the purchase information, which indicates that the purchase of the replacement part is required when deterioration of the replacement part of the user device becomes more than a predetermined value (Li et al. '784: Abstract, paragraph [0063]).

Re Claim 8: Li et al. '784 in view of Huberman '906 disclose the apparatus in *supra*, including that said information generating section is set to generate purchase information, which indicates that a regular examination is required (Li et al. '784: i.e. the sensors monitor the automobile and sets up appointments).

Re Claim 9: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including that said information generating section is set so that the purchase information includes specifying information to specify (Li et al. '784: abstract, paragraph [0063]).

Re Claim 10: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including that said information generating section is set to stop generating the purchase information in accordance with an instruction of the use (Li et al. '784: claim 5).

Re Claim 11: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including that said information generating section is set so that the purchase information includes information that causes a dealer to be determined as a successful bidder (Huberman '906: column 11, line 49 – column 12, line 7).

Re Claim 12: Li et al. '784 in view of Huberman '906 disclose the apparatus in supra, including that said communication section informs the sales information by displaying the sales information (Li et al. '784: paragraph [0034]).

Re Claim 13: Li et al. '784 discloses a service providing system comprising an information communication apparatus and an auction server, wherein: said information communication apparatus (abstract), which is set to perform communication with

outside via a network, includes: an information generating section for selecting an article suitable for maintenance (Abstract; paragraphs [0011, 0030, &0063]), so as to generate purchase information which indicates that purchase of the article is required, said information generating section presumes a time when life of the article required for maintenance will end (paragraph [0063]), generating purchase information (Abstract; paragraphs [0011, 0030, & 0063]), and a communication section for opening the purchase information to plural dealers in order to hold a reverse auction (paragraph [0062]), and for receiving sales information, which indicate sales conditions of said article, from respective dealers, during an auction period, so as to inform the sales information to a user, and the communication section being set to open the purchase information to the plural dealers, and to transmit the purchase information to the auction server which collects the sales information from the respective dealers, and the communication section further being set to receive the sales information of the respective dealers from the auction server, wherein, selection of the article to be purchased, generation of purchase information, and transmission of purchase information are automatically performed by said apparatus without instruction by the user (Abstract; paragraphs [0011, 0030, 0062, & 0063]).

Li et al. '784 disclose the system substantially as claimed with the exception of requiring that generating the purchase information at a time calculated by subtracting from the presumed time a purchase time required between transmission of the purchase information by the communication section and reception of a delivery of the

article, which purchase time includes an auction period, a period of business discussions between the user and the dealer, and a period required between delivery of the article by the dealer and reception of delivery of the article; and said auction server includes: a server communication section for performing communication with the information communication apparatus; an opening section for opening the purchase information, transmitted from the information communication apparatus, to the plural dealers; a collecting section for collecting the sales information from the respective dealers; and a server controlling section for transmitting the sales information, that has been collected, via the server communication section to the information communication apparatus. However, Li et al. '784 does disclose that delivery time is taken into account as one of the parameters in when to order (paragraph [0049]; i.e. to maintain a continuous supply). Huberman '906 discloses generating a service description (A), an auction period (E-Z), a period of business discussions (Q-U), and a delivery time (column 18, line 65 - column 19, line 1). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus of Li et al. '784, in view of the teachings of Huberman '906, for the basic reason of insuring that a continuous supply is maintained and that all factors are taken into account.

It is noted that although Li et al. '784 shows an automatic replenishment of inventory method and system, Li et al. '784 is considered to be able to function as an "an information communication apparatus" as called for in the instant claims. While Li et al. '784 does not explicitly show the apparatus in these configurations, a reference

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needs only be capable of being in these configurations in order to "read on" the claim language. In this case, the Li et al. '784 discloses that the device could be attached to an automobile to monitor the life of certain parts and to order said parts and schedule maintenance for when the new part is available and the current part has reached the end of its life (paragraph [0063]).

Re Claim 14: Li et al. '784 in view of Huberman '906 disclose the apparatus in *supra*, including that said server controlling section of said auction server is set to determine a dealer as a successful bidder in accordance with the sales information transmitted from the respective dealers, and said server controlling section is set to inform the successful bidder to the communication section of the information communication apparatus (Huberman '906: column 11, line 49 – column 12 line 7).

Re Claim 15: Li et al. '784 in view of Huberman '906 disclose the apparatus in *supra*, including that said server controlling section is set to avoid determining a dealer, who transmits sales information indicative of a sales condition which does not satisfy a predetermined standard value, as the successful bidder (Huberman '906: column 11, line 49 –column 12, line 47).

Re Claims 16-19: Further system claims would have been obvious from the previously rejected apparatus claims 1-12, and are therefore rejected using the same art and rationale.

Re Claims 23-30: Further method claims would have been obvious from the previously rejected apparatus claims 1-12, and are therefore rejected using the same art and rationale.

Re Claim 31: The claim is substantially the same as claim 1, with the added step that a computer executes the processes. For the most part then, the claims are rejected under the aforementioned art and rationale. Li et al. '784 further discloses this step (Abstract).

Re Claim 33: Further program claims would have been obvious from the previously rejected claims 1-12, and are therefore rejected using the same art and rationale.

Re Claim 37: Further apparatus claims would have been obvious from the apparatus claims 1-12 previously rejected, and are therefore rejected using the same art and rationale.

Re Claims 35 and 38: Further computer readable medium claims would have been obvious from the previously rejected apparatus claims 1-12 and are therefore rejected using the same art and rationale.

Re Claims 39 & 40: These claims are substantial duplicates of claims 23 & 24 respectively and are therefore rejected using the same art and rationale.

Re Claim 43: This claim is substantially similar to claim 1, but broader in scope and is therefore rejected using the same art and rationale.

Response to Arguments

Applicant's arguments with respect to claims 1-19, 23-31, 33, 35, 37-40, and 43 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Examiner has pointed out particular references contained in the prior arts of record in the body of this action for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant, in preparing the response, to consider fully the entire references as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior arts of disclosed by the examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LINDSAY M. MAGUIRE whose telephone number is (571)272-6039. The examiner can normally be reached on M-F: 7-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Abdi can be reached on (571) 272-670202. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lindsay M. Maguire
8/13/08
/Lindsay M Maguire/
Examiner, Art Unit 3692

/Nga B. Nguyen/
Primary Examiner, Art Unit 3692